



12TH Conference on Asphalt Pavements for southern Africa

13 -16 October 2019 | Sun City | South Africa

“Leadership and innovation to preserve and enhance the value of the region’s roads within a rapidly changing world”

CAPSA 2019 REPORT BACK

STATISTICS: Delegates



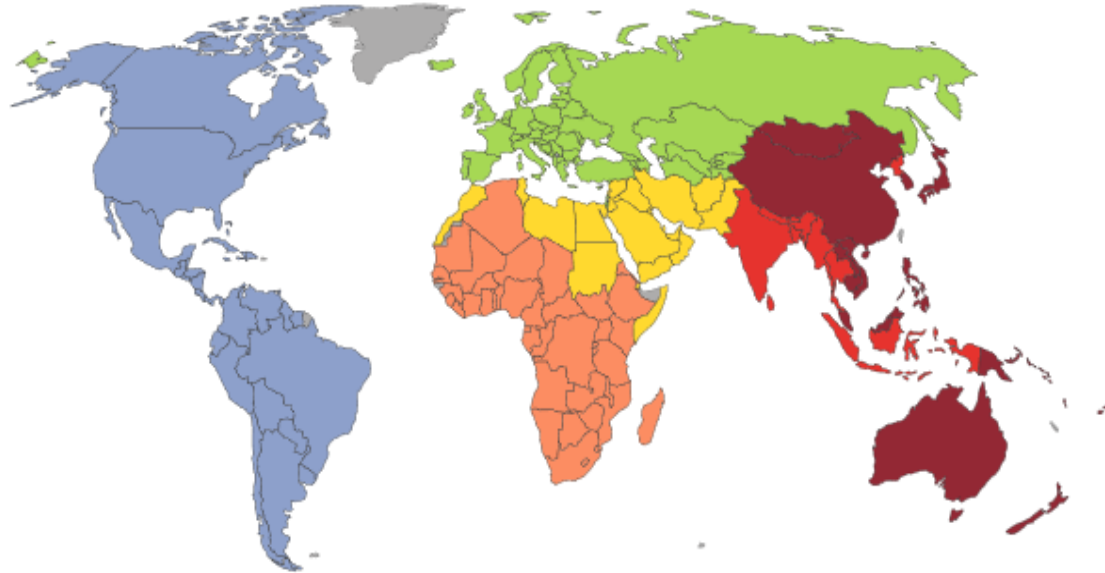
524 delegates
452 delegates
21 exhibitors
51 accompanying persons



42 ISAP delegates



STATISTICS: Delegates



■ No data ■ Africa ■ Americas ■ South-East Asia ■ Europe ■ Eastern Mediterranean ■ Western Pacific

Australia	1
Belgium	1
England	3
France	3
Germany	6
Ghana	1
India	1
Japan	2
Liberia	1
Malawi	2
Namibia	13
Netherlands	8
Norway	1
Taiwan	1
United Arab Emirates	1
United Kingdom	4
United States	9

- 56 registered
- 51 checked in

- 39 attended demo kitchen

- 39 attended game drive



Breakdown - Technical

- Accepted Abstracts: 95
- Accepted Papers: 71
- **Total Presentations: 92**
 - Plenary Presentations: 13
 - Specialty Presentations: 31
 - Workshop Presentations: 29
 - Interactive Audio-Visual Presentations: 19



Workshop 1: Pavement design and performance: Testing and designing for asphalt fatigue

Workshop 2: Regional and international research: Leadership, cooperation and program development.

Workshop 3: Asphalt process control – using digital technologies to improve construction performance. - 23

Workshop 4: Selection of appropriate seal types and binder combinations. - 84

Workshop 5: Optimal design of asphalt. - 45

Workshop 6: Research outcomes for cost-effective provision of low volume sealed roads. - 42

Workshop 7: Bituminous binder testing and standard. - 34

Workshop 8: Innovation in road maintenance techniques and procedures - 63

Workshop 9: Recent advancements in innovative bituminous materials - 62

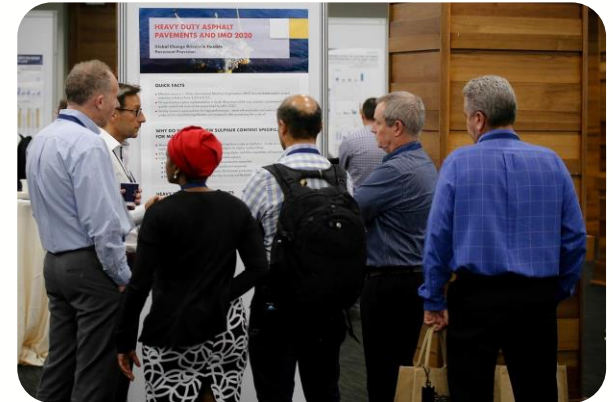


- Thanks to Douglas Judd and N3TC for sponsoring award – Young Professional
- **Eugenie Pienaar (Univ. Stellenbosch)**
- Influence of On-Paver Spraybar Technology on Bond Strength of Asphalt and Pavement Life

- Thanks to SAT for sponsoring award - Best paper award
- **Refiloe Mokoena (CSIR)**
- Adapting Asphalt Pavements to Climate Change Challenges



Interactive Audio-Visual Presentations: 19



EXHIBITION



47 Exhibition stands





Ice Breaker Evening: Sunday
Exhibitor's Braai: Monday

Gala Dinner: Tuesday
Closing Function: Wed

THANK YOU TO OUR 2019 SPONSORS



PLATINUM

Colas South Africa (Pty) Ltd
The Dow Chemical Company

GOLD

Shell Downstream SA (Pty) Ltd

SILVER

ARRB Systems South Africa
BMK Consulting Engineers
Bitumen Supplies Services (Pty) Ltd
Industrial Oleochemical Products - A division of AECI Limited
Ingevity
Maccaferri SA (Pty) Ltd
Nouryon
PaveTesting Ltd UK
Royal HaskoningDHV (Pty) Ltd
Wirtgen Group South Africa (Pty) Ltd

SUPPORTING

Aurecon South Africa (Pty) Ltd

ICE BREAKER EVENT

SABITA

BEACH BARBEQUE

Actop Asphalt (Pty) Ltd

GALA DINNER

Much Asphalt (Pty) Ltd

CLOSING FUNCTION

Raubex (Pty) Ltd

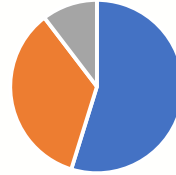
MEDIA PARTNERS

3S Media
IMIESA

MOBILE APP STATS

App Download Overview

Total	376
Android	206
IOS	131
Windows/Other	39



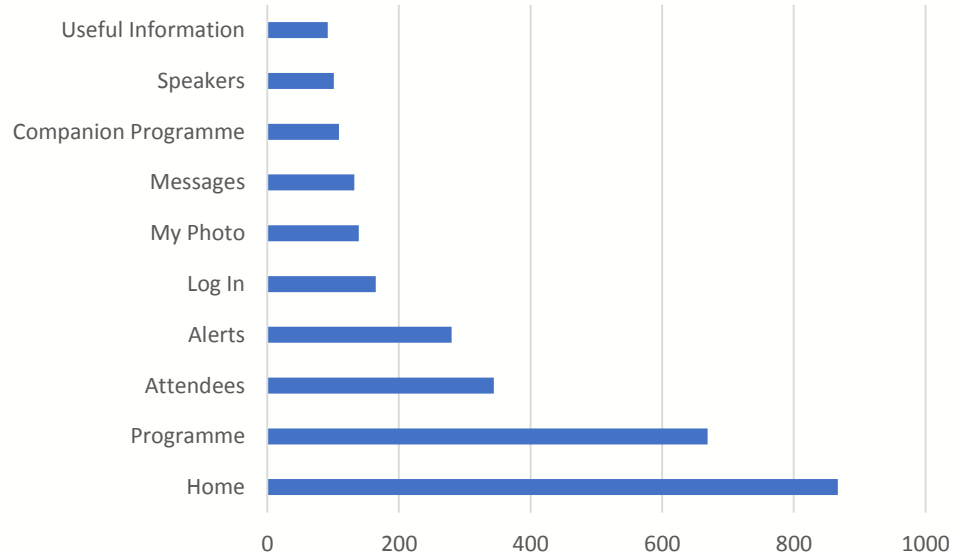
■ Android ■ IOS ■ Windows/Other

Suveys

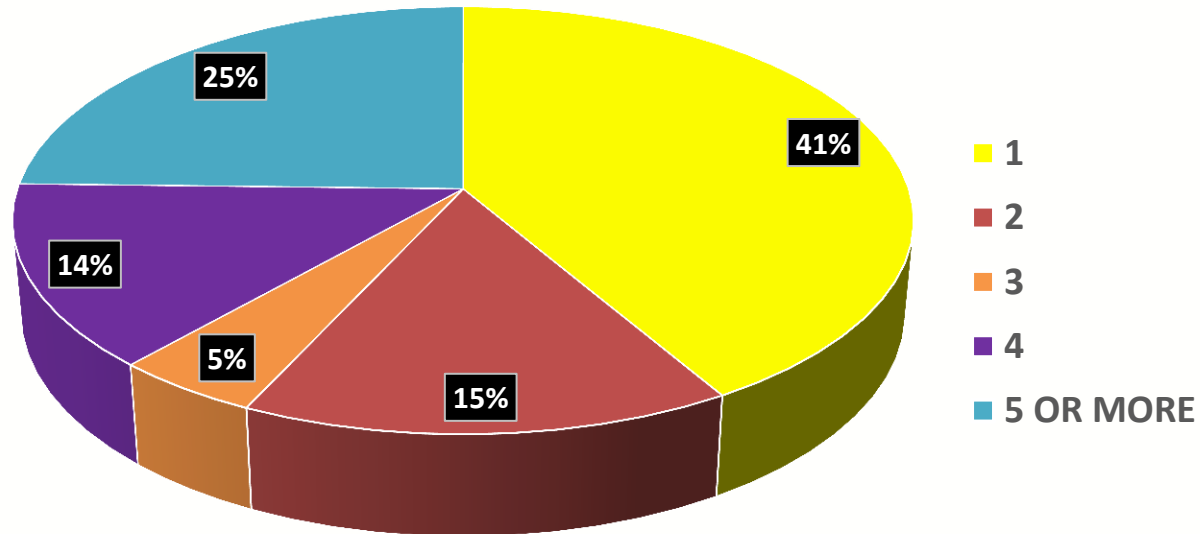
Evaluation Forms	72 Responses
Workshop Feedback	72 Responses
Workshop Selection	205 Responses

Screen Views

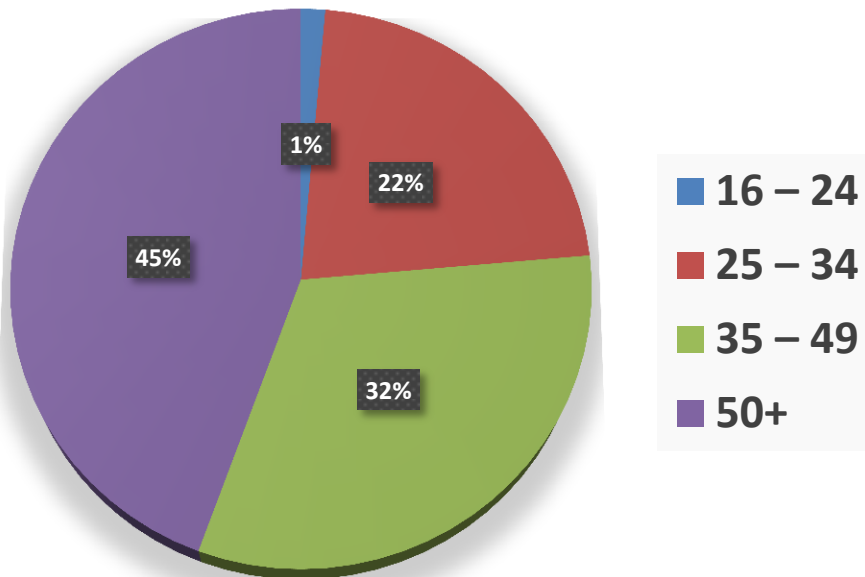
Home	867
Programme	669
Attendees	344
Alerts	280
Log In	165
My Photo	139
Messages	132
Companion Programme	109
Speakers	101
Useful Information	92



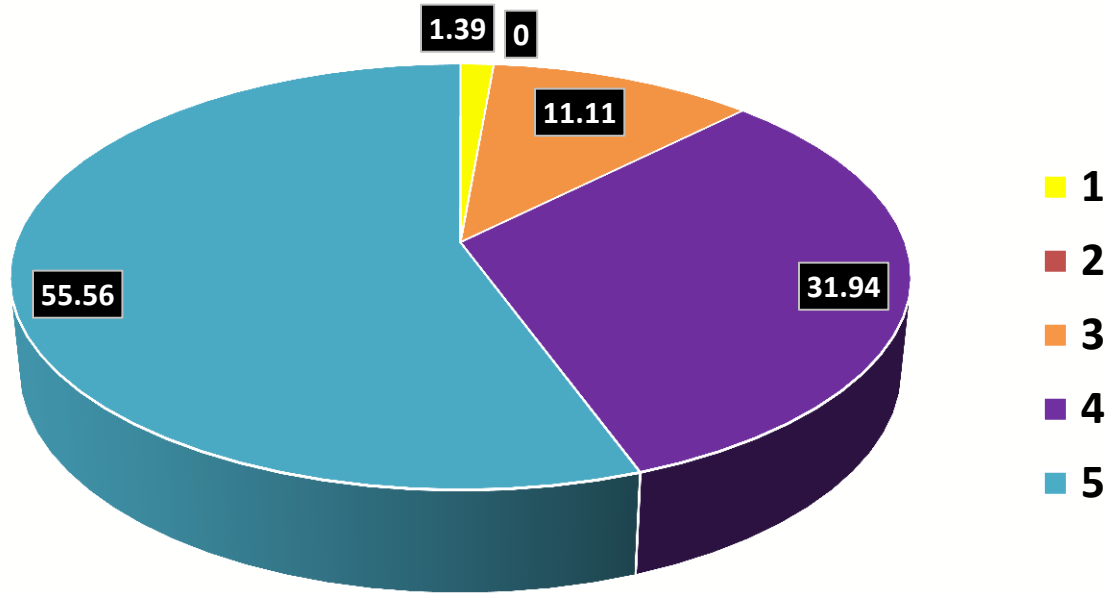
HOW MANY PREVIOUS CAPSAS HAVE YOU ATTENDED



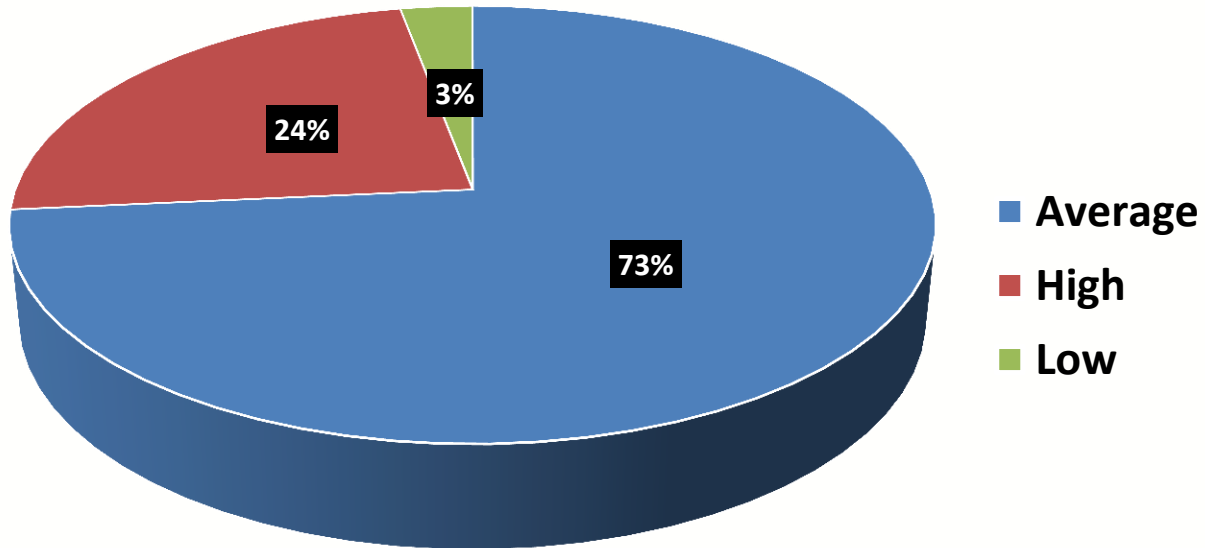
PLEASE TICK THE AGE GROUP RELEVANT TO YOU



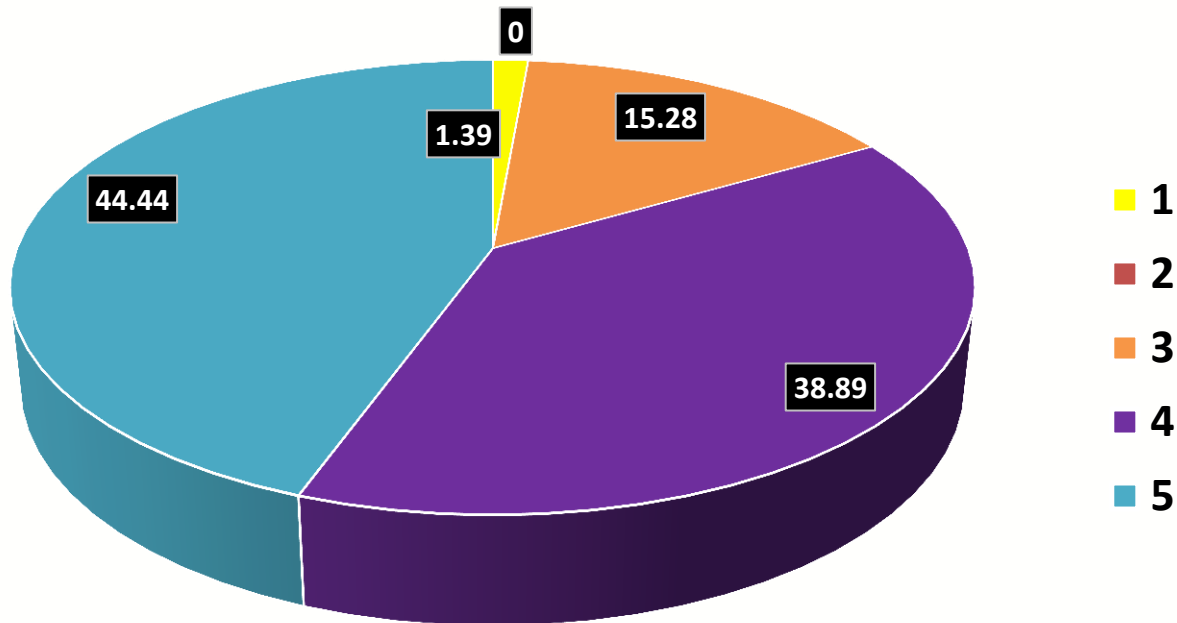
HANDLING OF THE REGISTRATION PROCESS



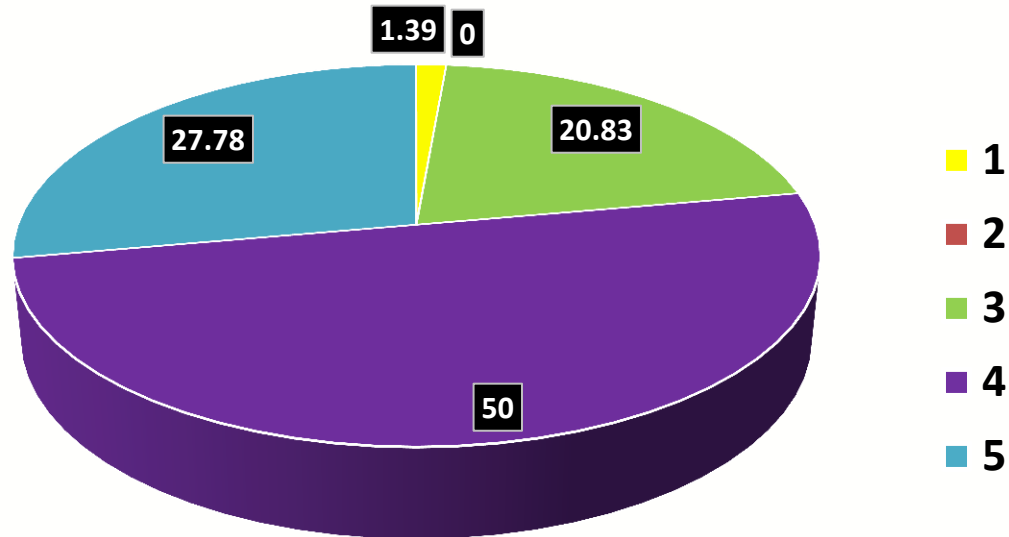
WAS THE CONFERENCE FEE LOW, AVERAGE, HIGH COMPARED TO SIMILAR CONFERENCES



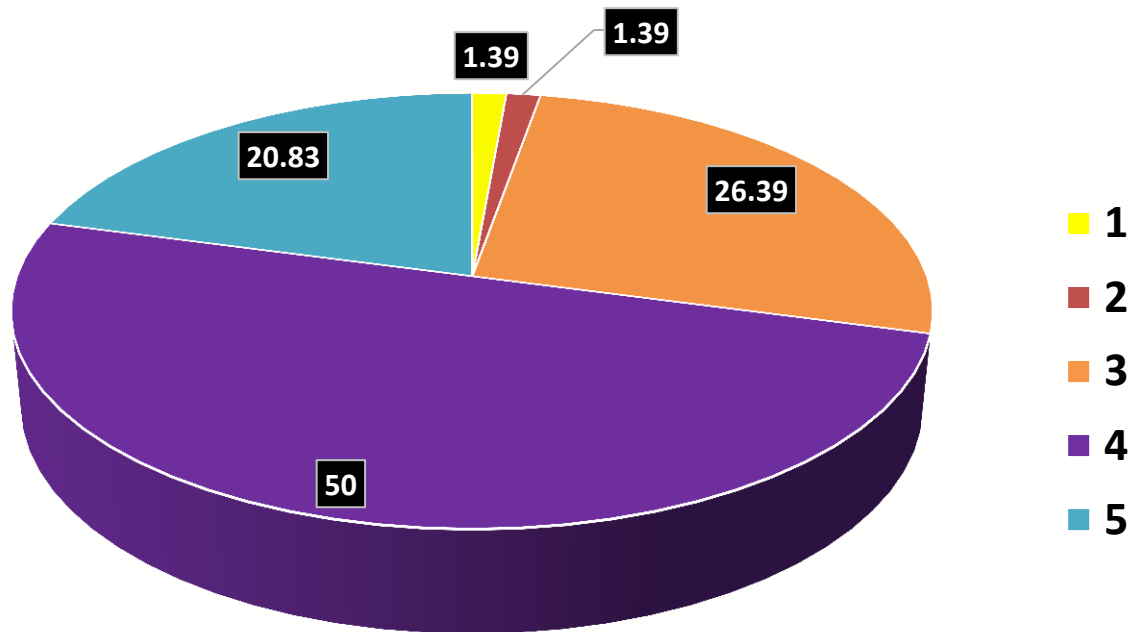
RELEVANCE OF CONFERENCE TO MY WORK



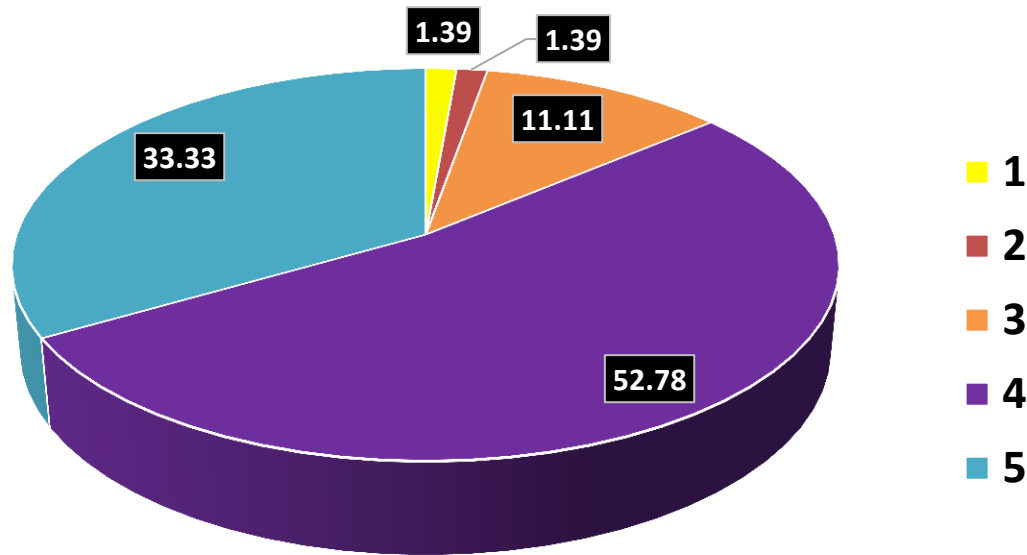
TECHNICAL QUALITY OF PAPERS/PRESENTATIONS



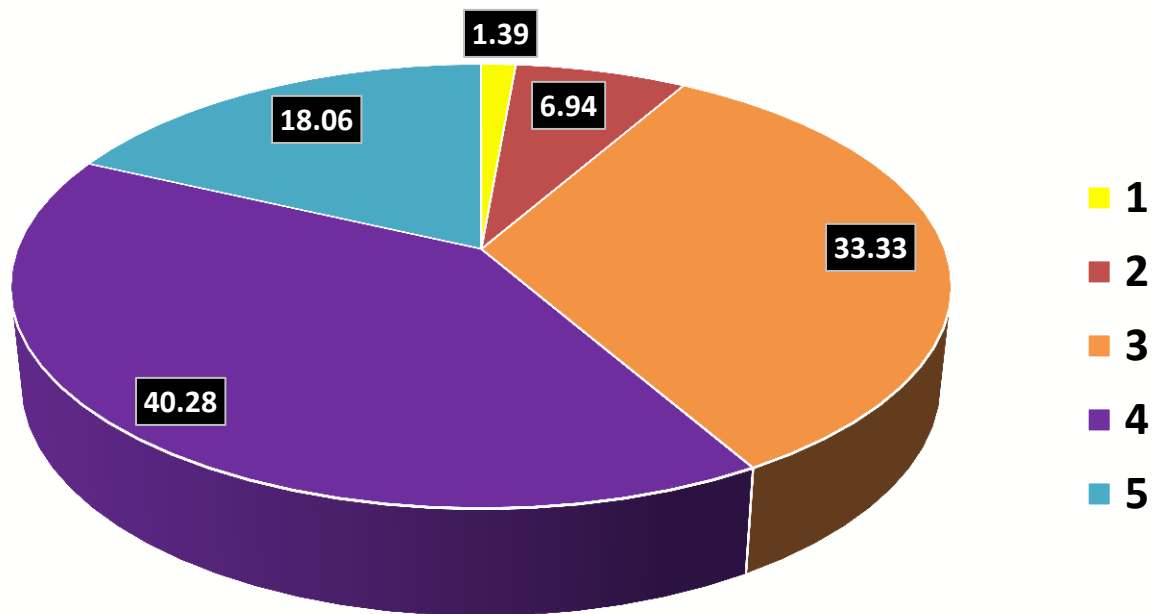
SESSION DURATION AND TIME UTILISATION



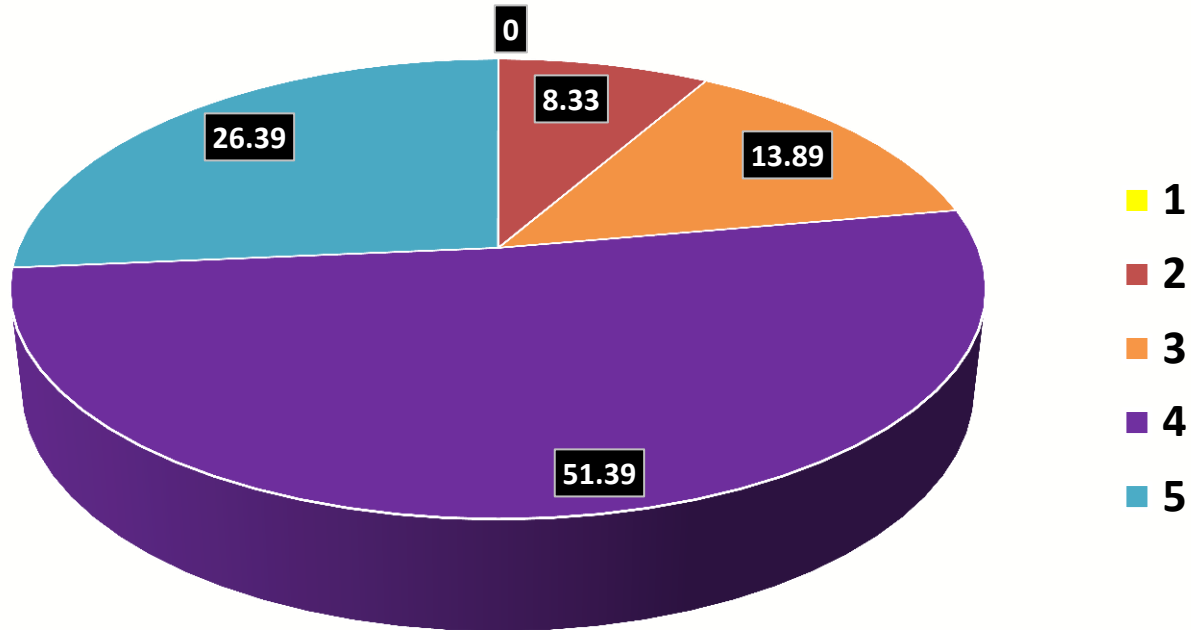
CONFERENCE CONTENT UP TO DATE AND INNOVATIVE



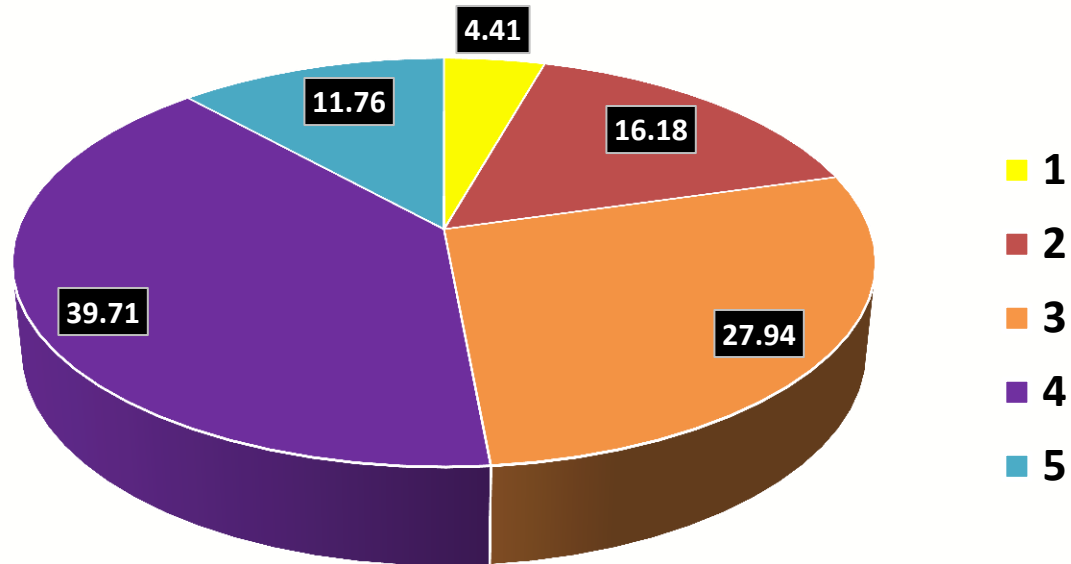
ADEQUATE TIME FOR DISCUSSIONS/QUESTIONS



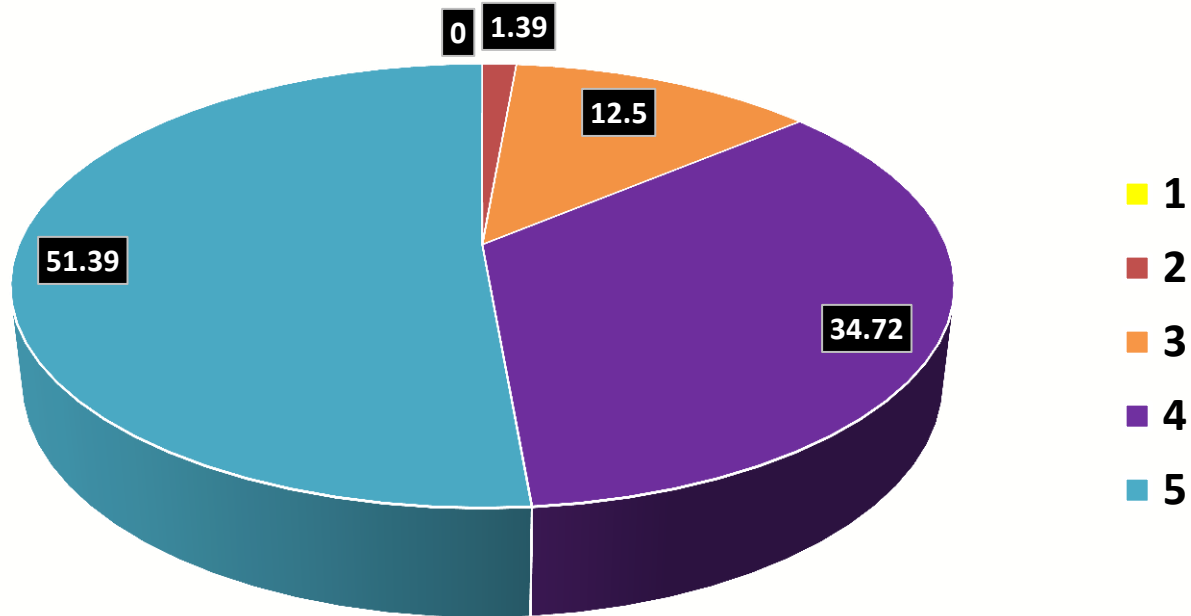
WORKSHOP PROGRAMME AND FORMAT



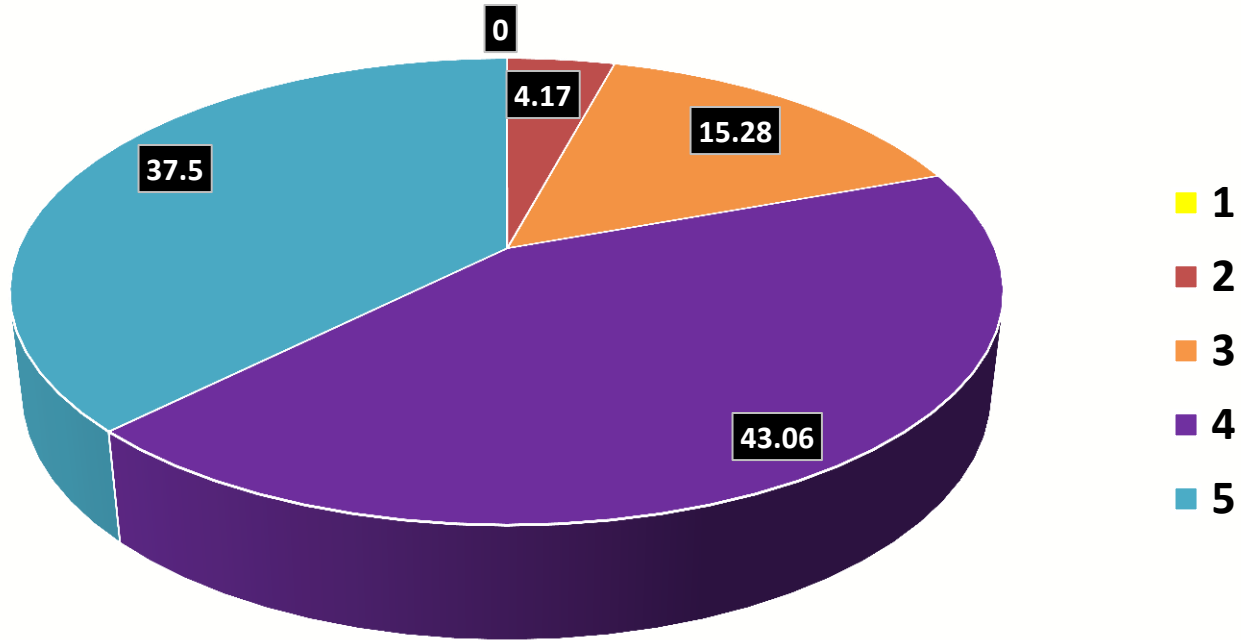
INTER-ACTIVE VISUAL SESSION



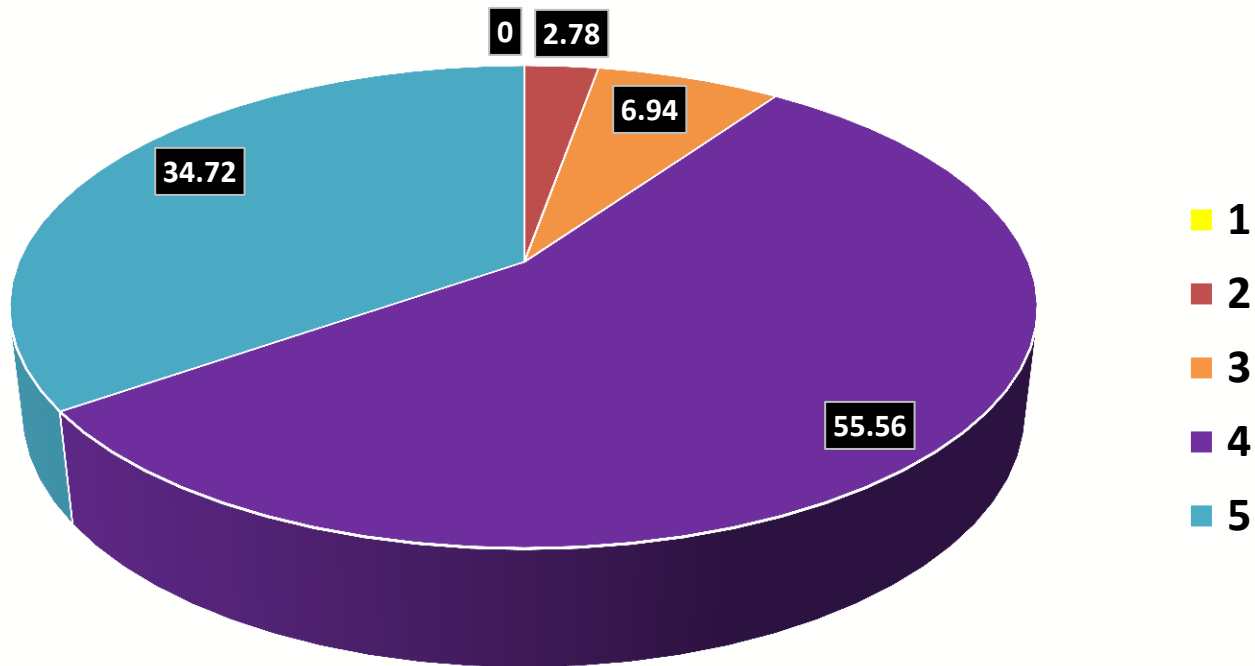
VENUE FACILITIES (LECTURE ROOMS, ACCOMMODATION)



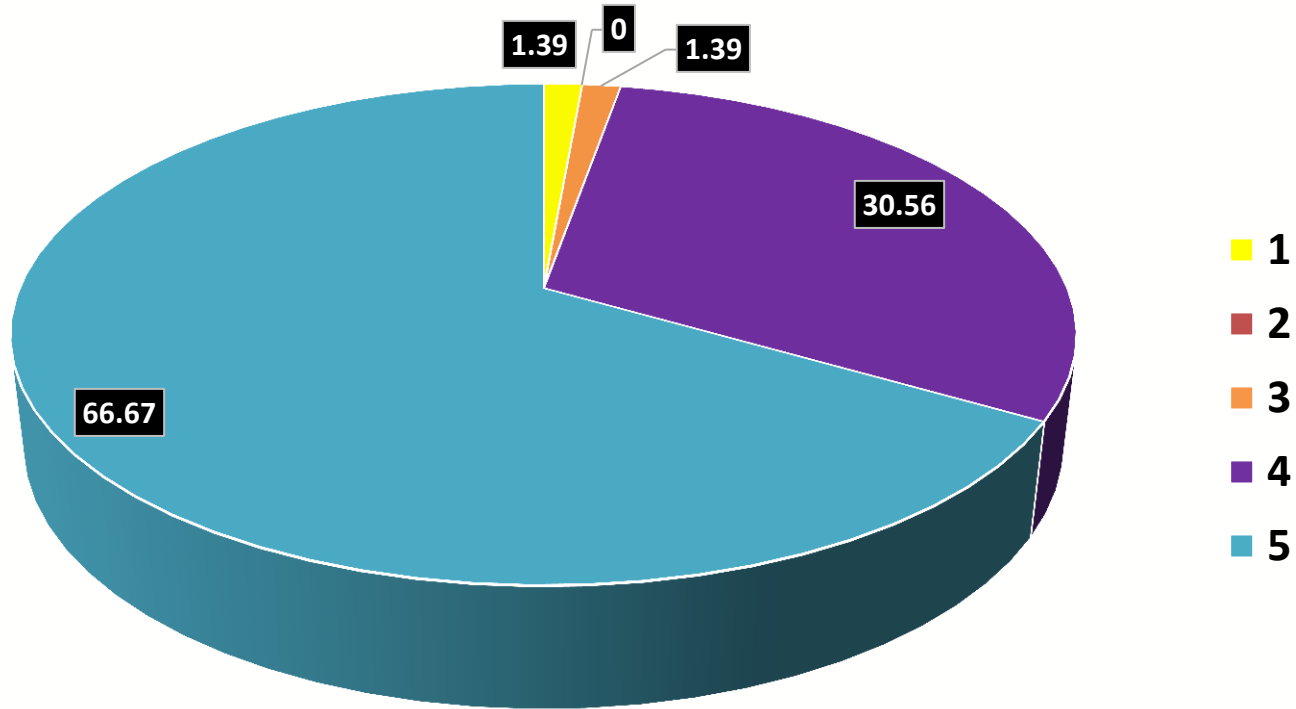
CATERING ARRANGEMENTS



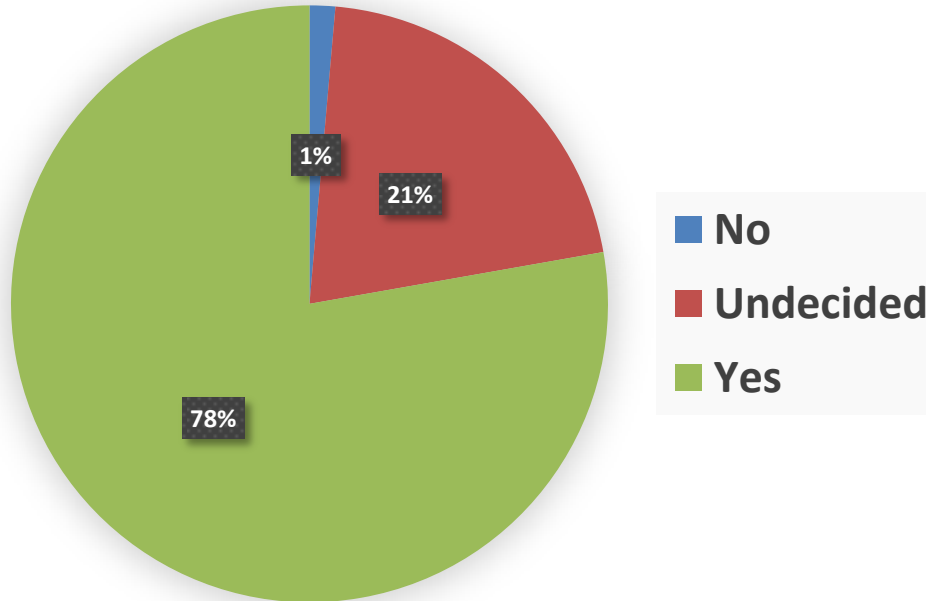
EXPOSURE FOR SPONSORS



SOCIAL EVENTS



WILL YOU BE ATTENDING THE NEXT CAPSA



CAPSA 2019 – Conference Plenary & Workshop Sessions (Compliments)

Great conference and
informative, squeezing
in changes and trends
within the industry in a
short couple of days
which is superb

Well planned and
executed conference.
International platform
really does stimulate
the mind in terms of
innovation.

Well done on increased
number of presentation
by female engineers.
Please consider better
coaching for young
presenters.

CAPSA 2019 – Conference Plenary & Workshop Sessions (Topics to be looked at)



CAPSA 2019 – General Comments

Sun City expensive venue

Too packed

More seating to be available for lunch

Conference paper pdf document is very poorly setup

Key note speakers

Interactive visual session didn't work well, too noisy.




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General Resolutions


CAPSA 2019 – GENERAL RESOLUTIONS

CAPSA 2019 RESOLUTIONS	RPF	WAY AHEAD
<p><i>The conference recommends that Sabita is charged with developing a carefully planned research strategy for “nano” technology applications in roads, including laboratory testing, field construction and monitoring. The findings should be captured in an industry driven database.</i></p>		<p><i>SABITA and RPF organisers to develop and implement strategy. Engagement of SANRAL research panels.</i></p>


CAPSA 2019 – GENERAL RESOLUTIONS

CAPSA 2019 RESOLUTIONS	RPF	WAY AHEAD
<i>The conference charges Sabita to continue with the process initiated for the development of guidelines for bond Coat applications.</i>		<i>In progress.</i>

CAPSA 2019 – GENERAL RESOLUTIONS

CAPSA 2019 RESOLUTIONS	RPF	WAY AHEAD
<p><i>CAPSA to engage with RPF on the formation of a Sustainable Roads Forum (SuRF) to facilitate industry wide conversation on the process needed to embed sustainability (social, economic and environmental) in the roads industry in South Africa.</i></p>		<p><i>SABITA and RPF organisers to develop and implement strategy. Engagement with SANRAL Research Panels.</i></p>


CAPSA 2019 – GENERAL RESOLUTIONS

CAPSA 2019 RESOLUTIONS	RPF	WAY AHEAD
<p><i>CAPSA recommends that Sabita continues the engagement on the development of an optimal road funding policy in South Africa, to engage with RPF and establish a Working Group to digest the recommendations from CAPSA 2019 and to take this initiative forward.</i></p>		<p><i>SABITA and RPF organisers to develop and implement strategy. Continue engagement with University of Cape Town</i></p>


CAPSA 2019 – GENERAL RESOLUTIONS

CAPSA 2019 RESOLUTIONS	RPF	WAY AHEAD
<i>CAPSA to engage with CSIR/UP at the requisite levels to discuss continued membership of the Forum of European National Highway Research Laboratories, FEHRL. CAPSA also must ensure that the membership is appropriate and to the benefit of all institutions in the country.</i>	XX	<i>In hand – CAPSA Exco.</i>

CAPSA 2019 – GENERAL RESOLUTIONS

CAPSA 2019 RESOLUTIONS	RPF	WAY AHEAD
<p><i>That CAPSA engages with the RPF and take steps to investigate and incorporate aspects of climate change – notably temperature – in national specification frameworks design procedures associated with bituminous materials.</i></p>		<p><i>SABITA and RPF organisers to develop and implement strategy. Engage SANRAL Research Panels.</i></p>

CAPSA 2019 – GENERAL RESOLUTIONS

CAPSA 2019 RESOLUTIONS	RPF	WAY AHEAD
<i>CAPSA to engage with RPF to set up a Working Group to look at the issues hampering the construction of high grade asphalt product in line with industry technical guidelines.</i>		<i>SABITA and RPF organisers to develop and implement strategy</i>

CAPSA 2019 – GENERAL RESOLUTIONS

CAPSA 2019 RESOLUTIONS	RPF	WAY AHEAD
<i>CAPSA to engage with the South African Road Federation (SARF) to ensure that the technical issues related to road accidents and their causes are discussed, communicated and acted upon to assist in the reduction of the high accident rate on SA's roads.</i>	XX	<i>CAPSA Exco to engage with SARF. SANRAL Research Panels.</i>

CAPSA 2019 – GENERAL RESOLUTIONS

CAPSA 2019 RESOLUTIONS	RPF	WAY AHEAD
<i>CAPSA to consider a process to standardise the EME design through the refinement of the fatigue transfer function and master curves.</i>	XX	<i>SABITA to take forward and engage with the EME WG.</i>

Steering Committee Members

- Phil Hendricks (Chairman) – Aurecon (Pty) Ltd
- Steph Bredenhann – SANRAL
- Hazel Brown – SABITA
- Lee Cochrane – Rand Roads – AVENG Grinaker
- Gerhard Fourie – SANRAL
- Melanie Hofmeyr – Western Cape Government
- Kim Jenkins – Stellenbosch University
- Philip Joubert – Royal HaskoningDHV
- Nkululeko Leta – AfCAP
- Mahendren Manicum – Naidu Consulting (Pty) Ltd
- Phillipus Masipa – Dust-A-Side
- Herman Marais – Much Asphalt (Pty) Ltd
- Duncan Mason – Royal HaskoningDHV
- Piet Myburgh – Consultant
- Krishna Naidoo – SANRAL
- Wynand Nortjé – Shisalanga Construction (Pty) Ltd
- Deon Pagel – Tosas (Pty) Ltd
- Jonathan Pearce – Zebra Surfacing (a division of Martin & East (Pty) Ltd)
- Chantal Rudman – University of Stellenbosch
- Saied Solomons – SABITA
- Wynand Steyn – University of Pretoria
- Arthur Taute – SMEC SA (Pty) Ltd
- Benoit Verhaeghe – CSIR

RPF organisers to liaise with CAPSA Technical Committee to discuss resolutions presented and to determine response to resolutions and RPF 4-year programme prior to CAPSA 2023

General – Papers, Presentations Availability

https://www.capsa2019.co.za/presentations-2/



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MONDAY 14 OCTOBER

Plenary P1-1

Audny van Helden

Bill Buttler

Thierry Goger

Plenary P1-2

Don Smith

Prasanth Mohan

Ross & Townsend

SS1-1

Cromhou et al

Mshali & Steyn

Theyse & Kannemeyer

van Heerden et al

SS1-2

Wynand Norgé

Rudman et al

Uken

Nokuthula Mazibuko

THANK YOU